



Transition to clustered ONTAP by using the 7-Mode Transition Tool

ONTAP 7-Mode Transition

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Table of Contents

- Transition to clustered ONTAP by using the 7-Mode Transition Tool 1
 - ONTAP target releases supported by the 7-Mode Transition Tool 1
 - Comparison of copy-free transition and copy-based transition 2
 - Interfaces and transition capabilities available on Windows and Linux 3

Transition to clustered ONTAP by using the 7-Mode Transition Tool

The 7-Mode Transition Tool enables you to collect inventory of 7-Mode controllers, hosts, switches, and applications, and assess their readiness for transition to clustered ONTAP. After assessment, you can migrate your data and configurations from 7-Mode to clustered ONTAP either by using the copy-based transition method or copy-free transition method. The 7-Mode Transition Tool can be downloaded from the NetApp Support Site and installed on a Linux or Windows system.

Be sure to consult the current 7-Mode Transition Tool *Release Notes* for the latest information about supported target releases and known issues.



[7-Mode Transition Tool Release Notes](#)

ONTAP target releases supported by the 7-Mode Transition Tool

Release support for ONTAP transition target clusters depends on the transition method you want to use, copy-based or copy-free, and on the version of the 7-Mode Transition Tool.

Be sure to consult the current 7-Mode Transition Tool [Release Notes](#) for the latest information about supported target releases and known issues.

Copy-based transitions are supported to these ONTAP target releases.

If your transition target is running ...	You must use this 7-Mode Transition Tool version ...
ONTAP 9.10.1, ONTAP 9.11.1 or earlier supported release	3.5.0
ONTAP 9.9.1 or earlier supported release	3.4.0
ONTAP 9.8 or earlier supported release	3.3.3
ONTAP 9.7P2 or later 9.7 P release  Earlier 9.7 releases are not supported.	3.3.2
ONTAP 9.6P7 or later 9.6 P release  Earlier 9.6 releases are not supported.	3.3.2
ONTAP 9.5 or earlier ONTAP 9 release	3.3.2 or 3.3.1

If your transition target is running ...	You must use this 7-Mode Transition Tool version ...
Clustered Data ONTAP 8.1.4P4 and later 8.x releases.	3.3.2 or 3.3.1

Copy-free transitions are supported to these ONTAP target releases using 7-Mode Transition Tool 3.3.1.

- ONTAP 9.4 and earlier ONTAP 9 releases.
- Clustered Data ONTAP 8.3.2 and later 8.x releases.




You cannot use the 7-Mode Transition Tool to transition to ONTAP 9.5 or later using the copy-free method. To do so, you must first transition to ONTAP 9.4 using 7-Mode Transition Tool 3.3.1 and then upgrade your cluster to ONTAP 9.5 or later. 7-Mode Transition Tool 3.3.2 does not support copy-free transitions.

Comparison of copy-free transition and copy-based transition

You can use the 7-Mode Transition Tool to migrate your data and configurations from 7-Mode to ONTAP by using either copy-based transition or copy-free transition. It is important to understand the differences between the two methods before transition.

Parameter	Copy-free transition	Copy-based transition
Unit of transition	HA pair	Group of volumes
Hardware requirement	Disk shelves are reused	New disks shelves and disks to host the transitioned volumes
Platform requirement	Supported only on mid-level and high-level platforms NetApp Interoperability Matrix Tool	Supported on all platforms
Transition duration	Overall, shorter transition duration (no data copy required)	Longer duration (initial baseline and update transfer time varies based on workload, network bandwidth, and data capacity being migrated)

Parameter	Copy-free transition	Copy-based transition
Disruption to data access	<p>In the range of hours</p> <div>  <p>In most cases, the storage cutover time can be 3 through 8 hours. Cutover time includes the time taken by the tool to perform two automated operations—the export and halt operation and the import operation—as well as the time taken for manually cabling the disk shelves to the new controllers. The export and halt operation and the import operation together can take up to 2 hours. Cabling of the disk shelves can take from 1 hour through 6 hours.</p> </div> <p>This cutover time guidance does not include the time taken for the required preproduction testing and assumes an error-free transition without unexpected failures such as a disk failure.</p>	In the range of minutes

Interfaces and transition capabilities available on Windows and Linux

You can install the 7-Mode Transition Tool on Windows or Linux. You must be aware of the features and the user interfaces that are supported before installing the 7-Mode Transition Tool.

Migration method	Feature	Supported on Windows	Supported on Linux
Copy-free transition	Graphical user interface (GUI)	Yes	No
	Command-line interface (CLI)	No You cannot use the CLI for creating and managing projects; however, you have to run certain commands, such as commands for ignoring blocking errors, during the transition from the Windows CLI.	No
	Collect and assess	Yes	No
Copy-based transition	GUI	Yes	No
	CLI	Yes	Yes
	Collect and assess	Yes	No

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